

## INTERNATIONAL SEARCH REPORT

International application No.  
PCT/NZ03/00159

<b>A. CLASSIFICATION OF SUBJECT MATTER</b>		
Int. Cl. <sup>7</sup> : C22B 9/14, C22B 34/12, C22C 1/00		
According to International Patent Classification (IPC) or to both national classification and IPC		
<b>B. FIELDS SEARCHED</b>		
Minimum documentation searched (classification system followed by classification symbols)		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) DWPI and Keywords: heat+, size+, coarse+, separat+, alumina		
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 0107672 A (ALCAN INTERNATIONAL LIMITED) 1 February 2001 document	1-11
X	US 3840364 A (FLEMINGS ET AL) 8 October 1974 Whole document	1-11
X	US 3537695 A (ROBINSON ET AL) 3 November 1970 Whole document	1-11
<input checked="" type="checkbox"/> Further documents are listed in the continuation of Box C		<input checked="" type="checkbox"/> See patent family annex
<p>* Special categories of cited documents:</p> <p>"A" document defining the general state of the art which is not considered to be of particular relevance</p> <p>"E" earlier application or patent but published on or after the international filing date</p> <p>"L" document which may throw doubt on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</p> <p>"O" document referring to an oral disclosure, use, exhibition or other means</p> <p>"P" document published prior to the international filing date but later than the priority date claimed</p> <p>"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</p> <p>"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</p> <p>"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art</p> <p>"&amp;" document member of the same patent family</p>		
Date of the actual completion of the international search 22 September 2003	Date of mailing of the international search report 8 OCT 2003	
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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	Perry's Chemical Engineers' Handbook (6 <sup>th</sup> Ed), McGraw-Hill Book Company, New York 1984, pages 8-60 - 8-68	1-4, 7-11, 14-18

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Information on patent family members

**PCT/NZ03/00159**

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report			Patent Family Member				
WO	200107672	AU	200064188	BR	200012780	CA	2379809
		CZ	20020213	EP	1204775	HU	200201843
		US	2002007883	US	2002189724		
US	3840364	NONE					
US	3537695	NONE					
END OF ANNEX							